Michael Kronovet

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Education

Carnegie Mellon University . . . . August 2017 – May 2020
GPA: 3.74/4.00
Bachelors of Science in Statistics and Machine Learning

Relevant Courses
Introduction to Machine Learning (PhD), Text Analysis, Data Mining, Advanced Data Analysis

Work Experience

Data Scientist with Ikos . . . . August 2019–
Leasing services startup that markets and provides data insights about property listings to landlords.

- Worked with this startup through CMU to analyze real estate rental patterns in Pittsburgh.

Quantitative Trading Intern at Virtu Financial . . . . June 2019 – August 2019
High frequency trading firm in New York City.

- Worked on the algorithms team to optimize order execution strategies and analyze client trades.

Projects & Activities

Computational Biology Researcher . . . . May 2019–
Professor Jian Ma's research group specializing in decoding the human genome.

- Developed machine learning models to study the evolutionary patterns of genomic features.

Modeling the Quantum Many-Body Problem . . . . March 2019
Team which built a neural network to simulate a many body quantum mechanical system.

- Found the lowest energy configuration of electron spins for a given potential energy function.

Carnegie Mellon Racing System Lead for Car Pedals . . . . September 2017 – January 2019
Structures group focused on designing the mechanical subsystems for CMR's electric Formula 1 race car.

- Placed first in the 2018 Formula SAE Electric Vehicle Competition.

Intellichess . . . . November 2017
Multiplayer game and chess engine based off the Stockfish chess engine.

- Built chess AI using a neural network trained on grandmaster chess games.

Muon Scattering Tomography Developer . . . . August 2016 – May 2017
Team with two other students inventing a cheaper way to pinpoint the trajectory of cosmic ray muons.

- Placed 3rd in Physics and Astronomy at Intel International Science and Engineering Fair.

Skills & Interests

Skills: Python, C, R, SQL, Tableau, Javascript, HTML/CSS, CAD, Unity, Microsoft Excel

Interests: Data science, artificial intelligence, predictive modeling, bioinformatics